

224 includes a pipeline processor 402, a loader 404, a metadata processor 406, an error & event handler 408, a session manager 410, and an extended type manager 412.

Exemplary Metadata Processor

The metadata processor 406 is configured to access and store metadata within a metadata store, such as database store 314 shown in FIGURE 3. The metadata may be supplied via the command line, within a cmdlet class definition, and the like. Different components within the administrative tool framework 200 may request the metadata when performing their processing. For example, parser 202 may request metadata to validate parameters supplied on the command line.

Exemplary Error & Event Processor

The error & event processor 408 provides an error object to store information about each occurrence of an error during processing of a command line. For additional information about one particular error and event processor which is particularly suited for the present administrative tool framework, refer to U.S. Patent Application No. ^{10/413,054} / U.S. Patent No. / entitled "System and Method for Persisting Error Information in a Command Line Environment", which is owned by the same assignee as the present invention, and is incorporated here by reference.

Exemplary Session Manager

The session manager 410 supplies session and state information to other components within the administrative tool framework 200. The state information managed by the session manager may be accessed by any cmdlet, host, or core engine via programming interfaces. These programming interfaces allow for the creation, modification, and deletion of state information.